

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF032119\
 Data File : VF062072.D
 Acq On : 21 Mar 2019 20:45
 Operator : VA/AP
 Sample : K2004-10RE
 Misc : 4.22g/5mL/MSVOA-F/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 SB-22(12-13)RE

Quant Time: Mar 22 08:10:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	212363	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	332465	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	226802	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	73891	50.00	ug/l	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.86	65	82040	53.67	ug/l	0.02
Spiked Amount 50.000			Recovery	=	107.34%	
35) Dibromofluoromethane	4.13	113	121094	54.24	ug/l	0.02
Spiked Amount 50.000			Recovery	=	108.48%	
50) Toluene-d8	7.58	98	277654	42.54	ug/l	0.02
Spiked Amount 50.000			Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.42	95	87046	33.57	ug/l	0.01
Spiked Amount 50.000			Recovery	=	67.14%	

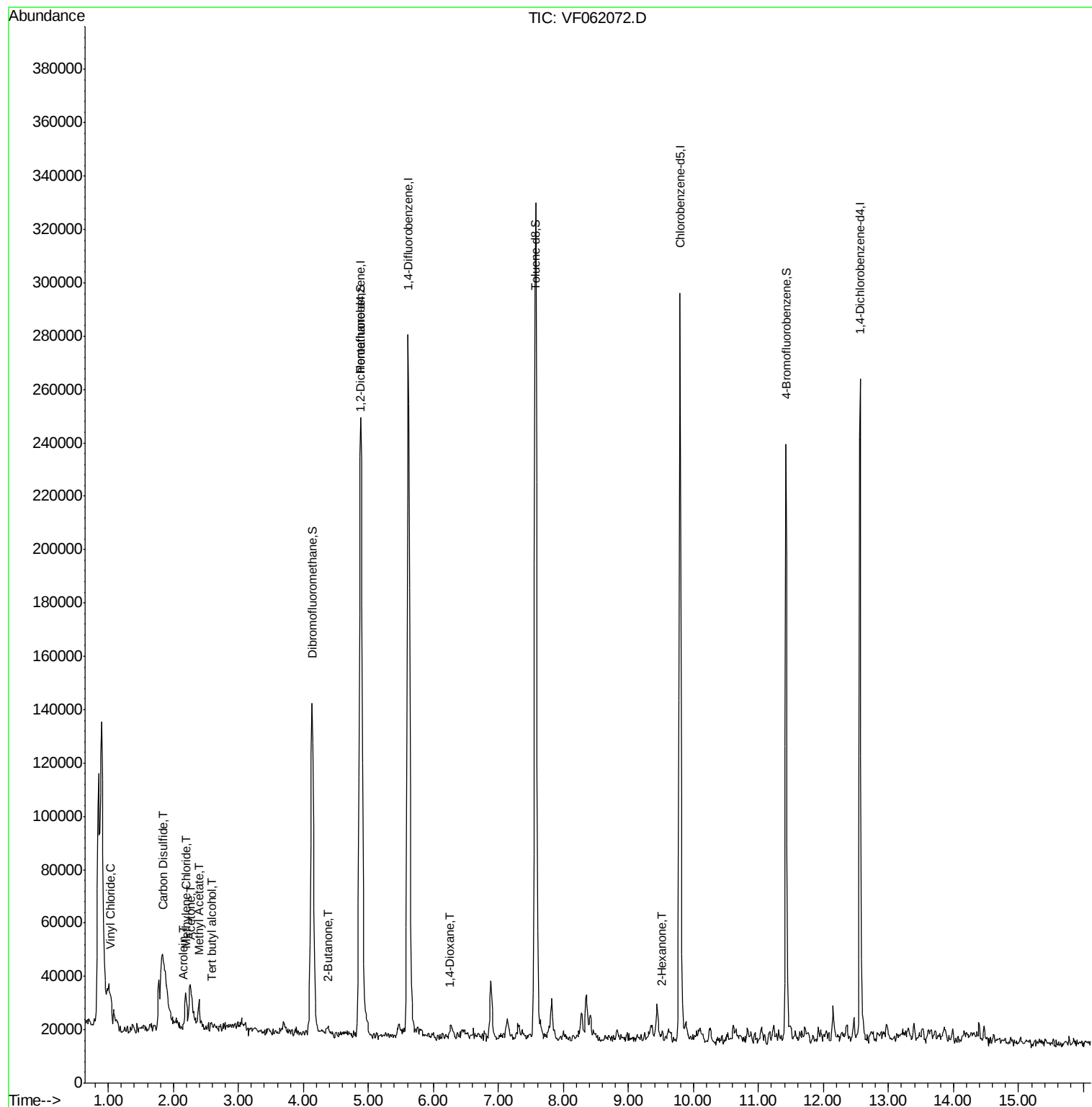
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.04	62	3081	1.385	ug/l #	40
11) Tert butyl alcohol	2.61	59	124	1.326	ug/l #	71
13) Acrolein	2.15	56	371	3.674	ug/l	90
16) Acetone	2.25	43	8149	23.739	ug/l	98
17) Carbon Disulfide	1.84	76	123890	23.912	ug/l	98
18) Methyl Acetate	2.40	43	4440	5.708	ug/l #	67
20) Methylene Chloride	2.19	84	5383	3.006	ug/l	92
25) 2-Butanone	4.39	43	4299	6.324	ug/l #	51
49) 1,4-Dioxane	6.24	88	130	14.178	ug/l #	1
59) 2-Hexanone	9.53	43	1312	1.601	ug/l	67

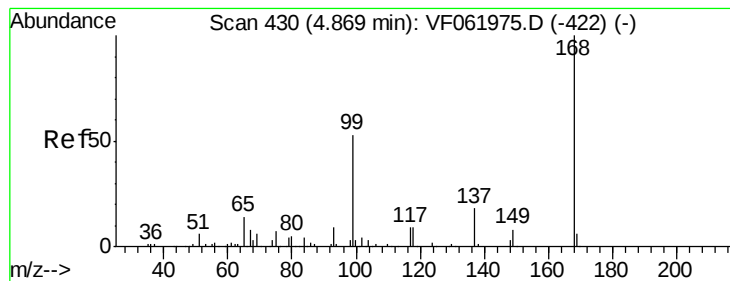
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

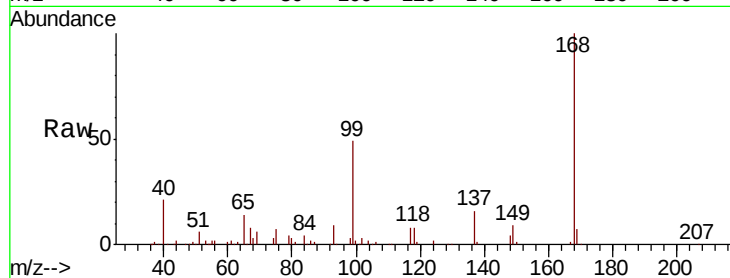
SB-22(12-13)RE

Tgt Ion:168 Resp: 212363

Ion Ratio Lower Upper

168 100

99 48.9 42.4 63.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

80000

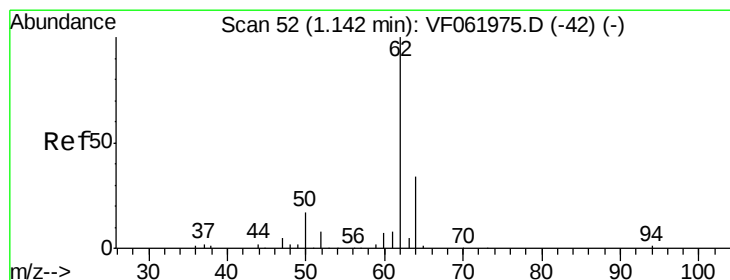
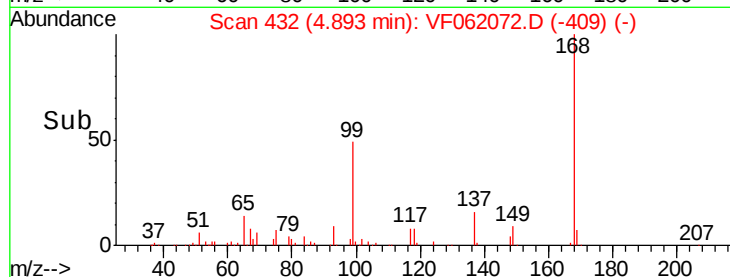
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#4

Vinyl Chloride

Concen: 1.385 ug/l

RT: 1.04 min Scan# 41

Delta R.T. -0.10 min

Lab File: VF062072.D

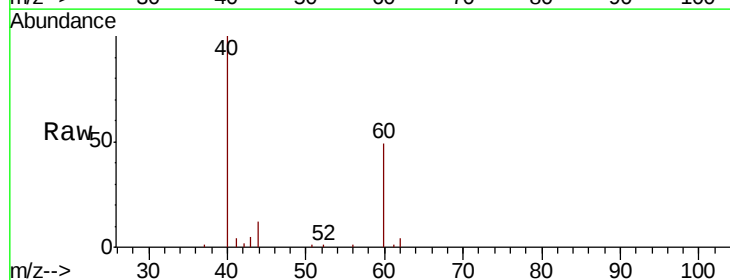
Acq: 21 Mar 2019 20:45

Tgt Ion: 62 Resp: 3081

Ion Ratio Lower Upper

62 100

64 0.0 27.4 41.2#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.04

800

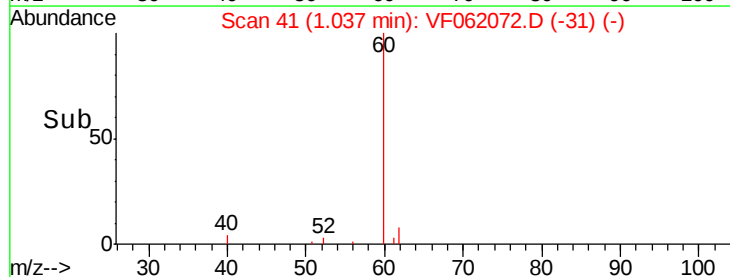
600

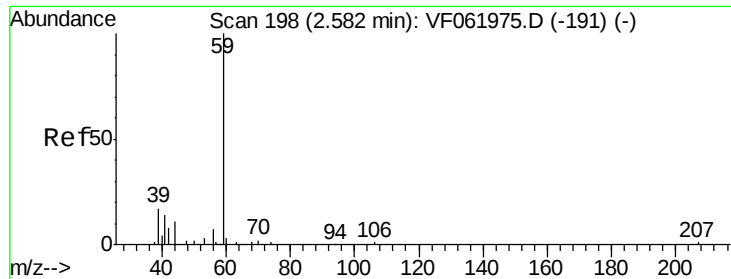
400

200

0

Time--> 0.90 1.00 1.10

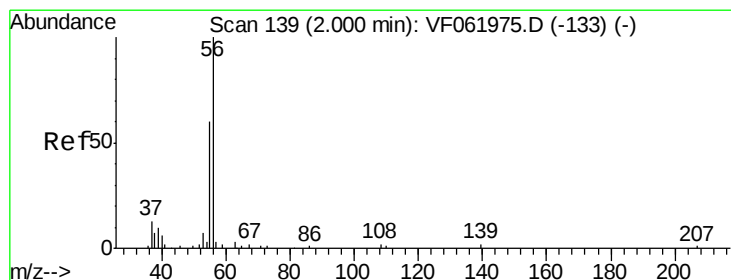
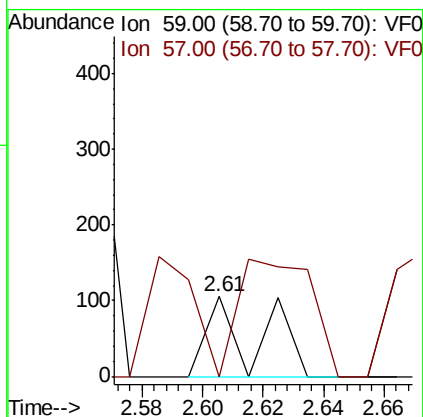
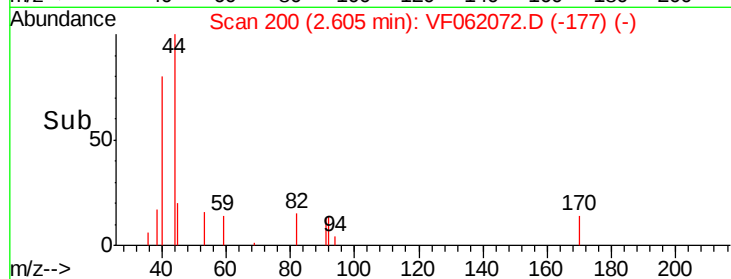
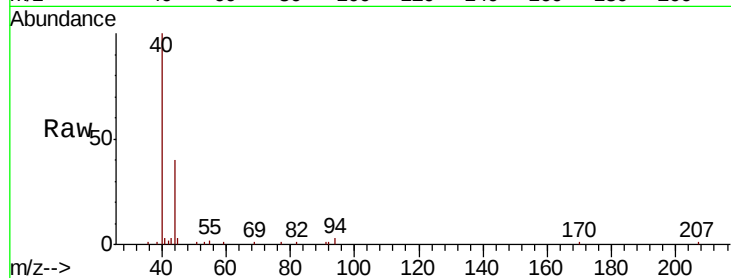




#11
Tert butyl alcohol
Concen: 1.326 ug/l
RT: 2.61 min Scan# 200
Delta R.T. 0.02 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

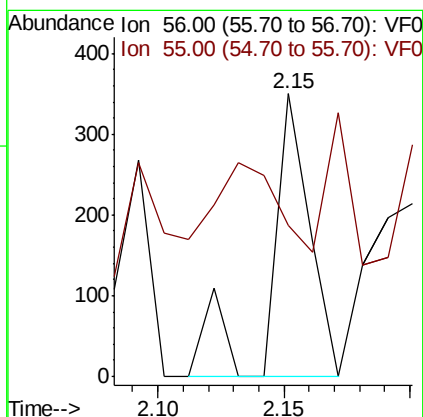
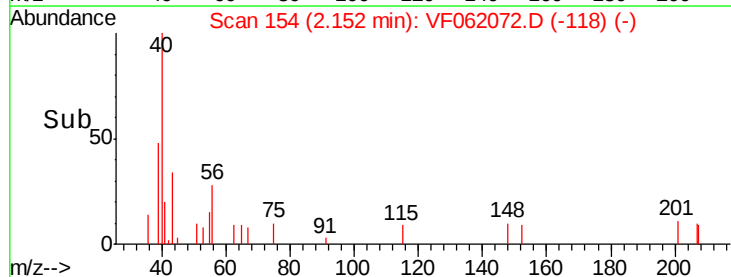
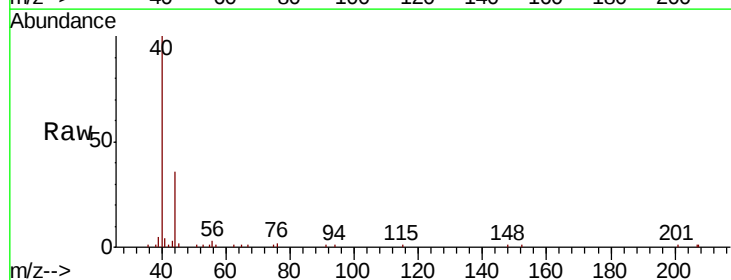
Instrument :
MSVOA_F
ClientSampleId :
SB-22(12-13)RE

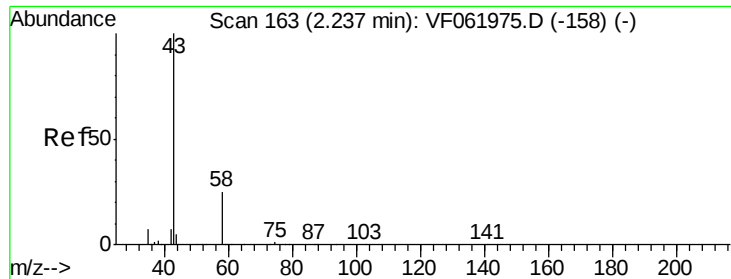
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: 3.674 ug/l
RT: 2.15 min Scan# 154
Delta R.T. 0.15 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 53.4 49.1 73.7





#16

Acetone

Concen: 23.739 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

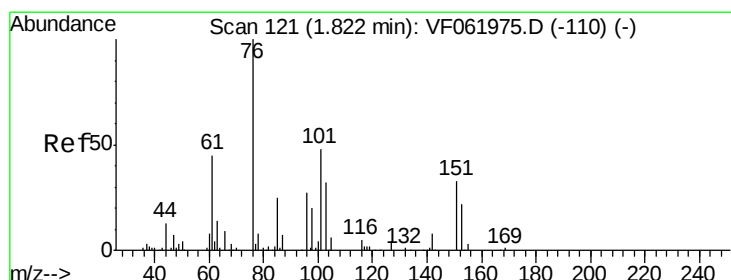
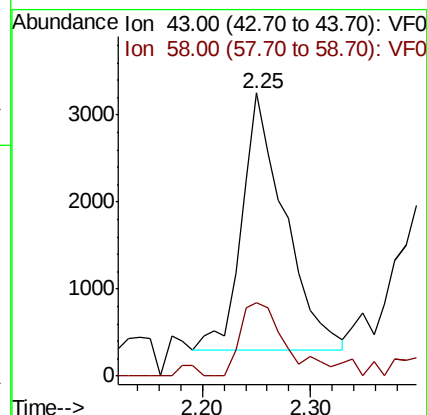
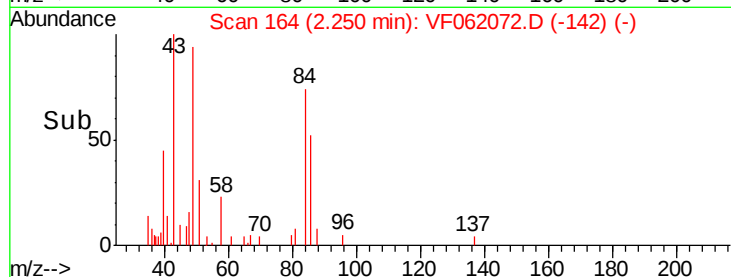
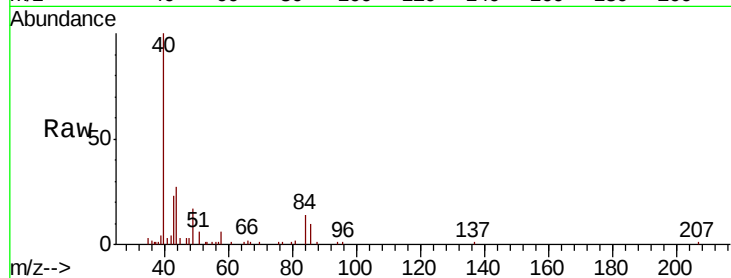
SB-22(12-13)RE

Tgt Ion: 43 Resp: 8149

Ion Ratio Lower Upper

43 100

58 25.8 19.9 29.9



#17

Carbon Disulfide

Concen: 23.912 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF062072.D

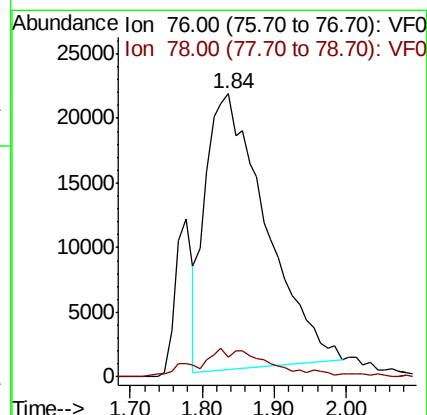
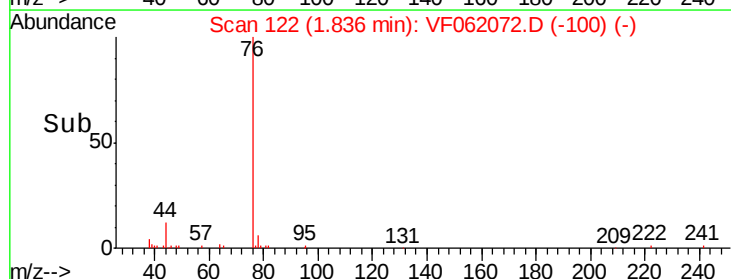
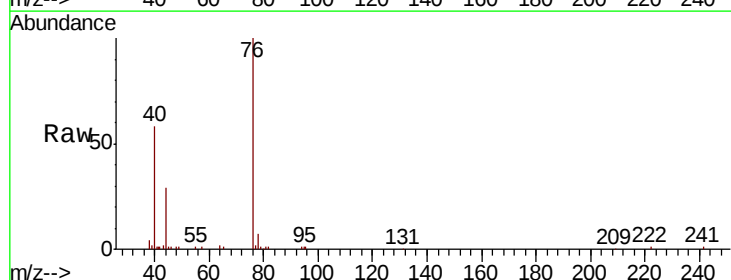
Acq: 21 Mar 2019 20:45

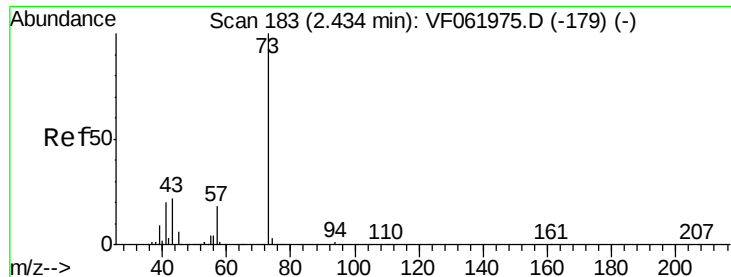
Tgt Ion: 76 Resp: 123890

Ion Ratio Lower Upper

76 100

78 7.8 6.8 10.2

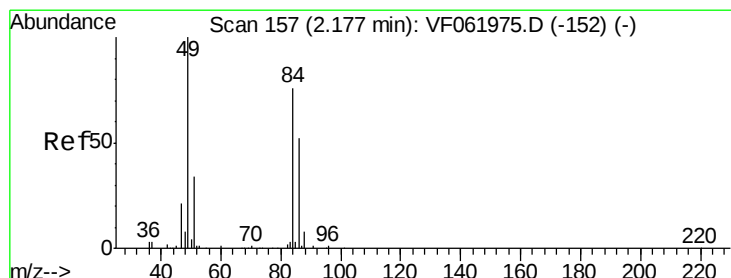
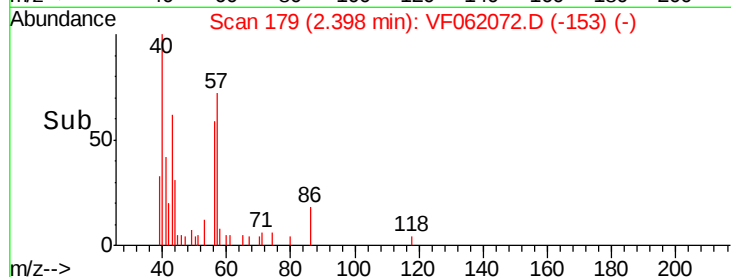
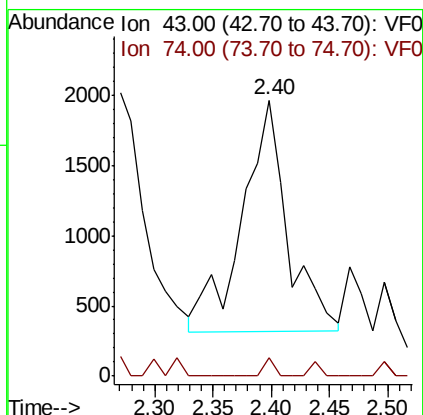
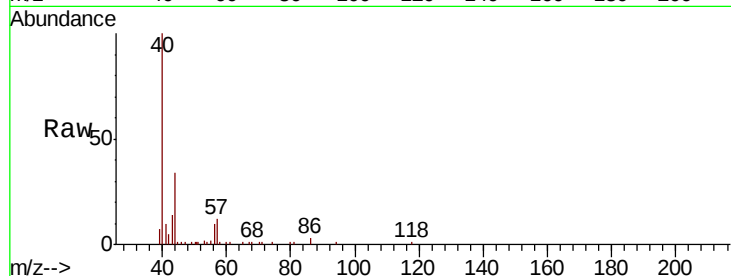




#18
Methyl Acetate
Concen: 5.708 ug/l
RT: 2.40 min Scan# 179
Delta R.T. 0.05 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

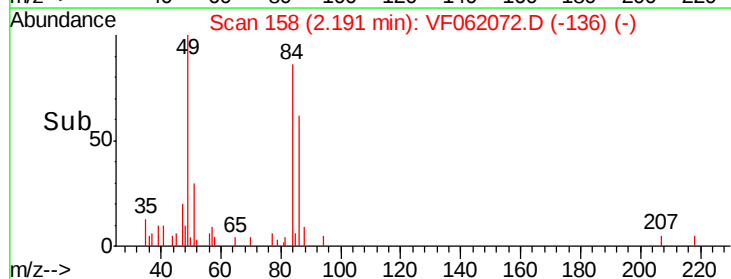
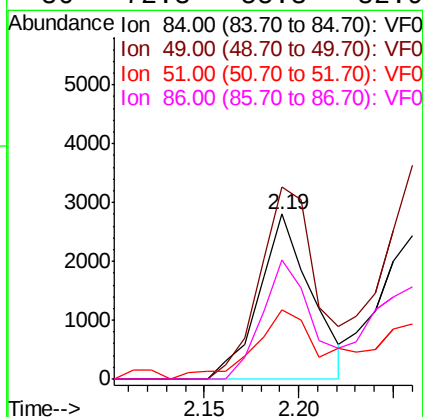
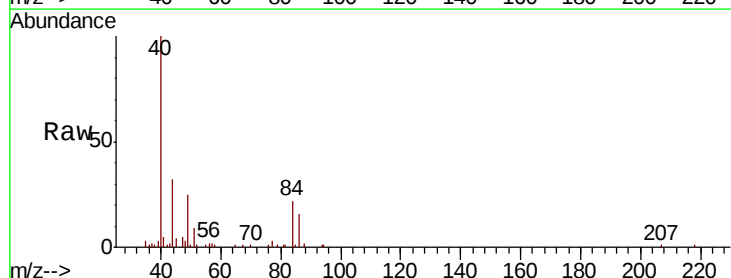
Instrument :
MSVOA_F
ClientSampleId :
SB-22(12-13)RE

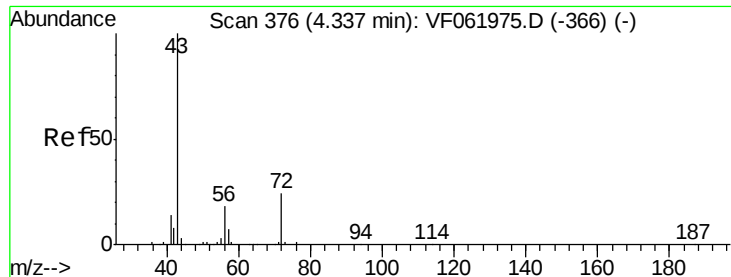
Tgt Ion: 43 Resp: 4440
Ion Ratio Lower Upper
43 100
74 6.9 18.3 27.5#



#20
Methylene Chloride
Concen: 3.006 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

Tgt Ion: 84 Resp: 5383
Ion Ratio Lower Upper
84 100
49 121.6 107.0 160.6
51 42.2 37.2 55.8
86 72.3 55.3 82.9





#25

2-Butanone

Concen: 6.324 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.05 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

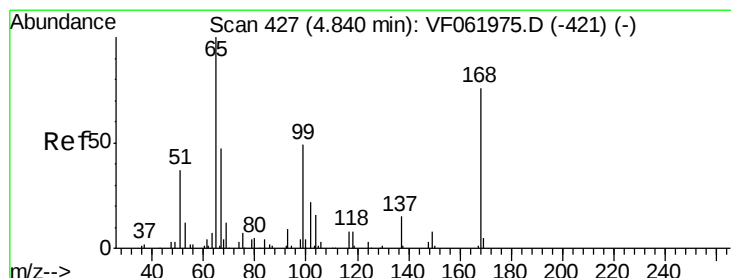
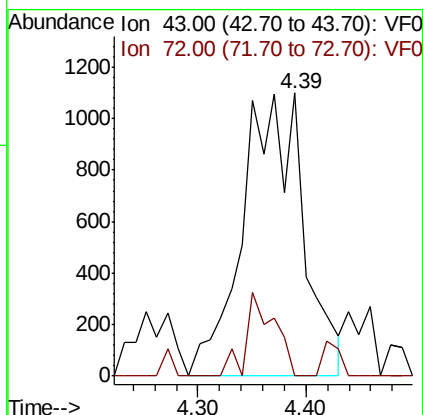
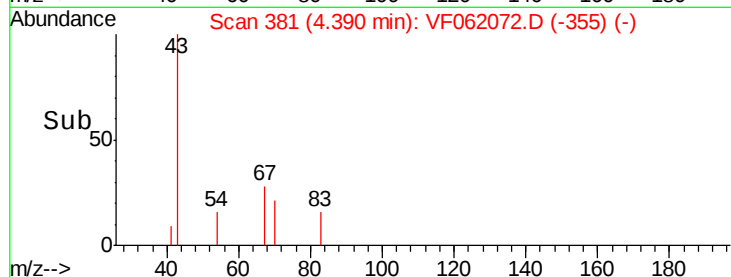
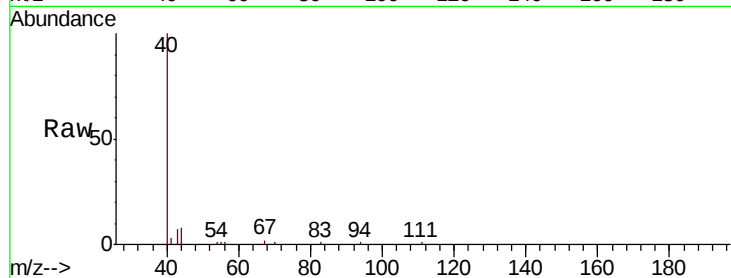
SB-22(12-13)RE

Tgt Ion: 43 Resp: 4299

Ion Ratio Lower Upper

43 100

72 0.0 19.8 29.6#



#33

1,2-Dichloroethane-d4

Concen: 53.667 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF062072.D

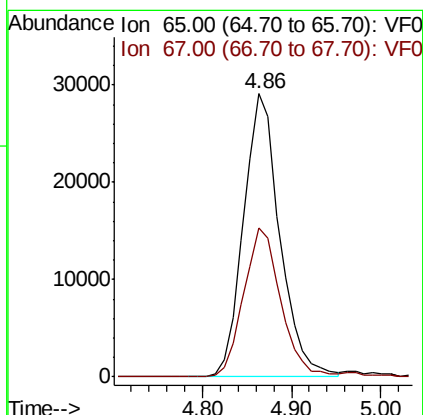
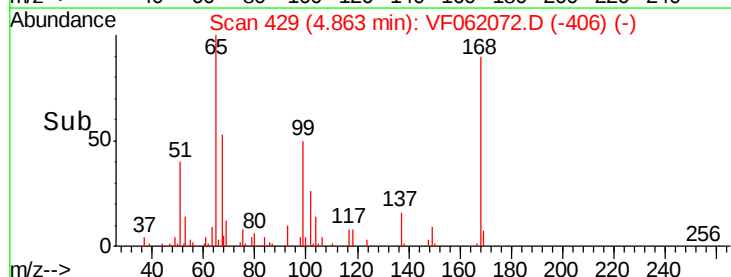
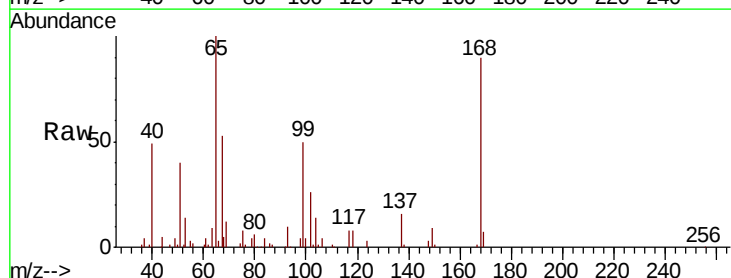
Acq: 21 Mar 2019 20:45

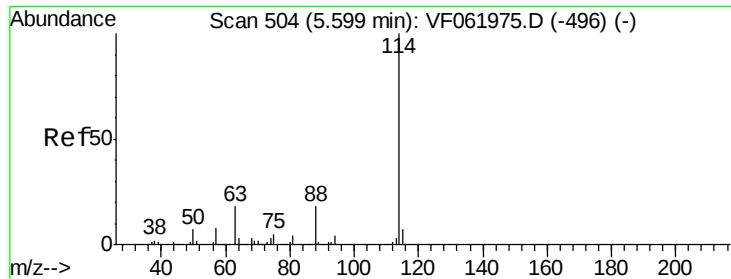
Tgt Ion: 65 Resp: 82040

Ion Ratio Lower Upper

65 100

67 52.5 0.0 109.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

Instrument :

MSVOA_F

ClientSampleId :

SB-22(12-13)RE

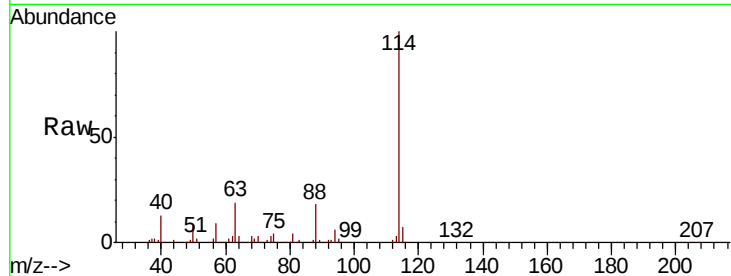
Tgt Ion:114 Resp: 332465

Ion Ratio Lower Upper

114 100

63 19.3 0.0 36.4

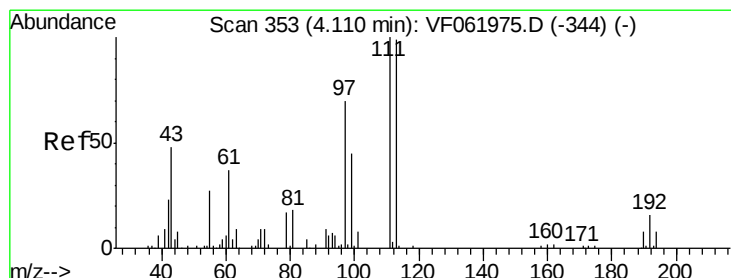
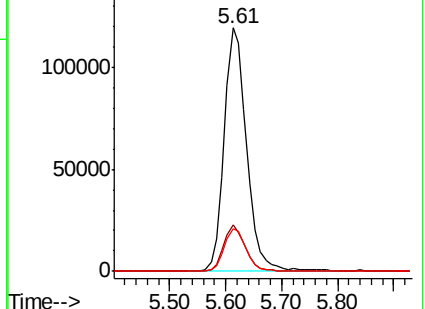
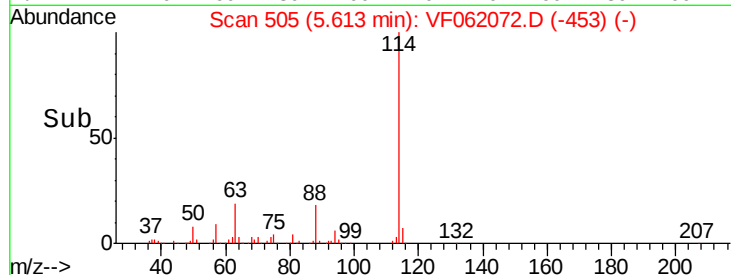
88 17.7 0.0 36.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 54.240 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

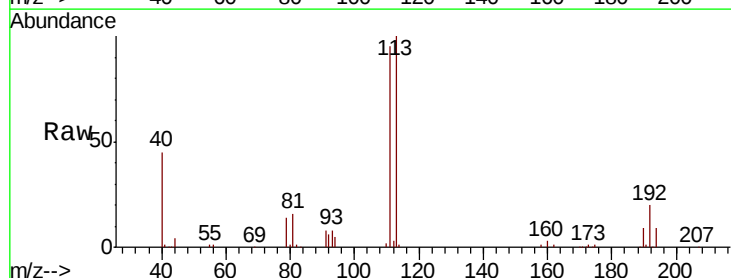
Tgt Ion:113 Resp: 121094

Ion Ratio Lower Upper

113 100

111 95.1 80.8 121.2

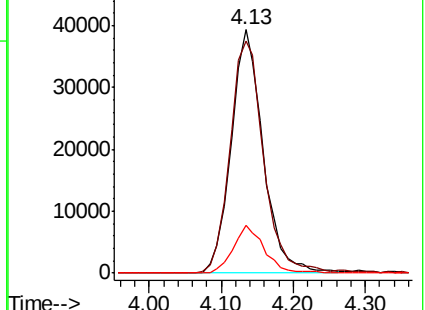
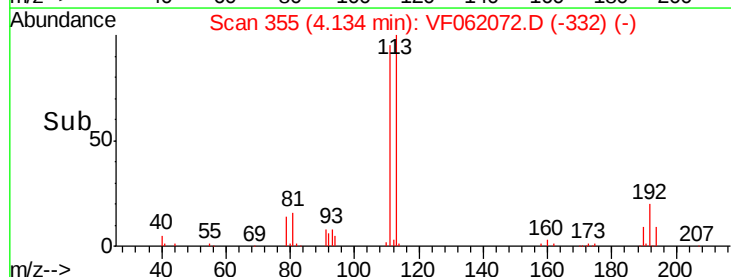
192 20.1 13.0 19.6#

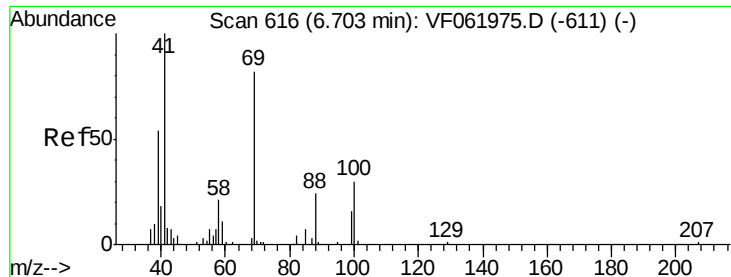


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#49

1,4-Dioxane

Concen: 14.178 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.46 min

Lab File: VF062072.D

Acq: 21 Mar 2019 20:45

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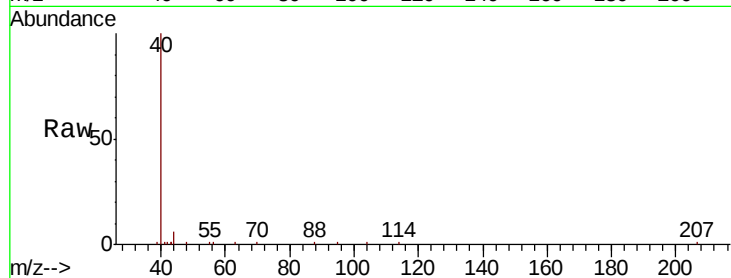
Tgt Ion: 88 Resp: 130

Ion Ratio Lower Upper

88 100

43 186.7 31.2 46.8#

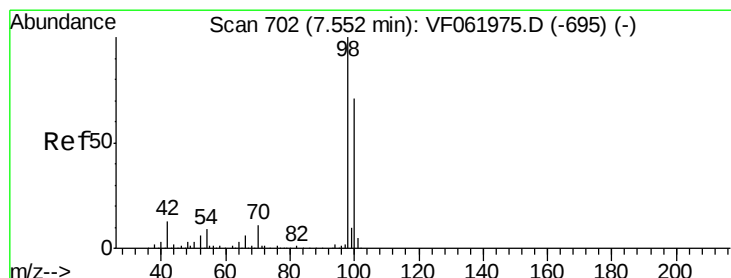
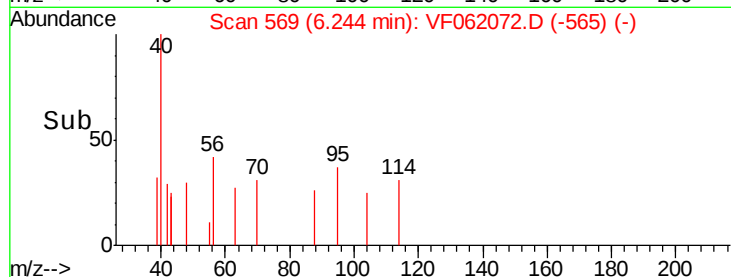
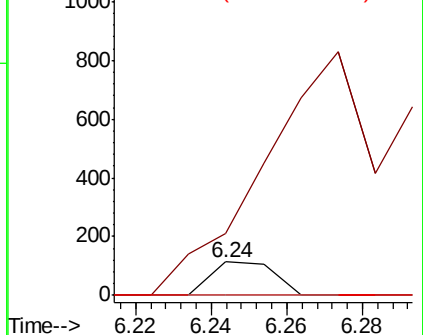
58 0.0 69.9 104.9#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 42.543 ug/l

RT: 7.58 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062072.D

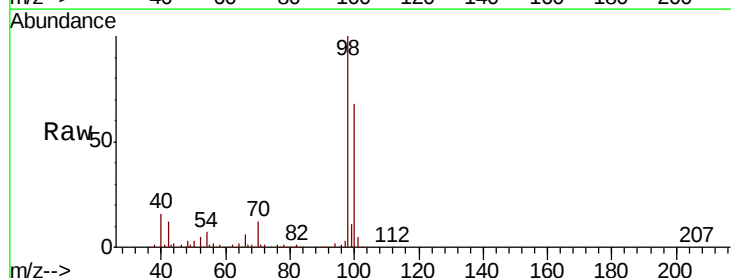
Acq: 21 Mar 2019 20:45

Tgt Ion: 98 Resp: 277654

Ion Ratio Lower Upper

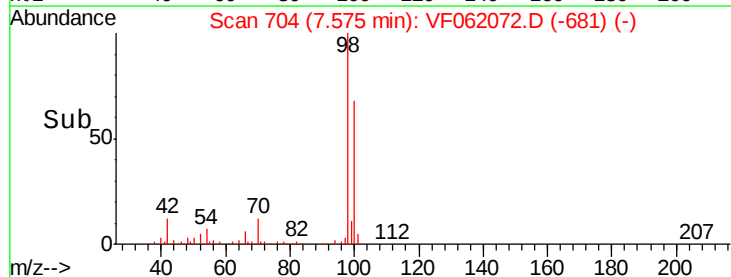
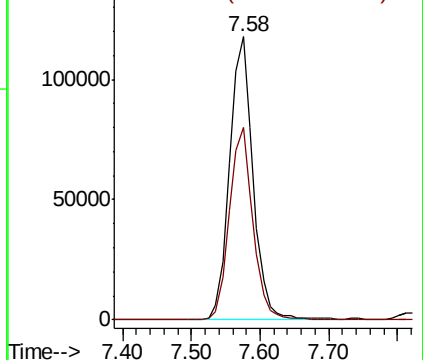
98 100

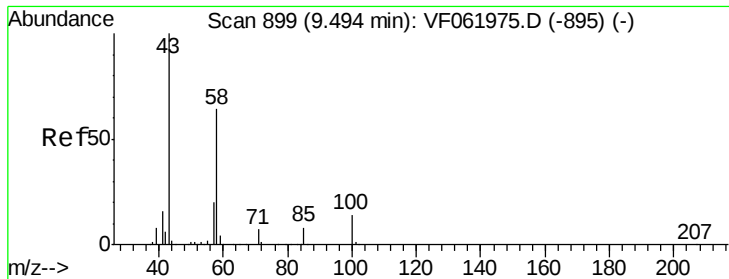
100 67.9 56.8 85.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

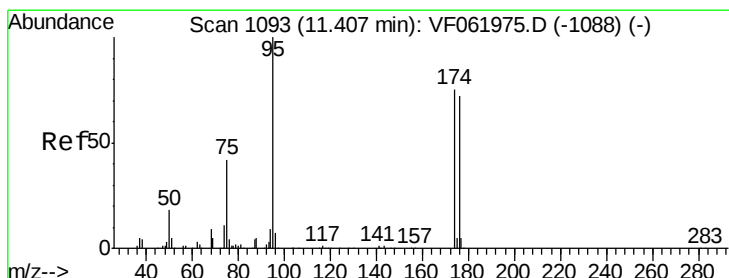
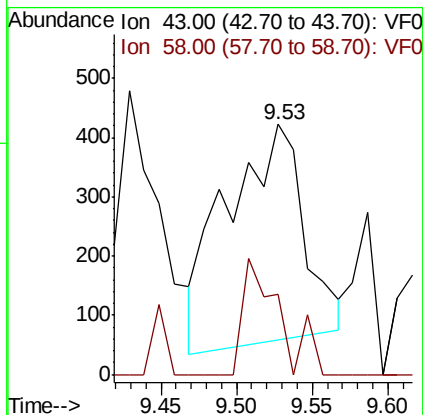
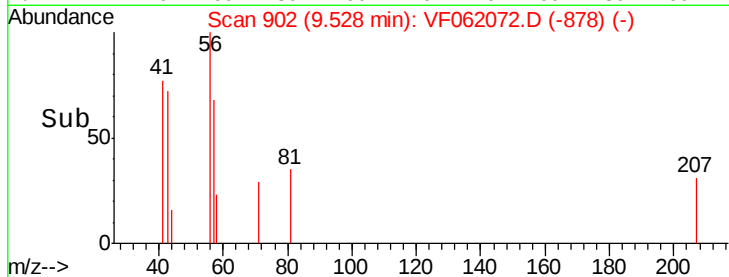
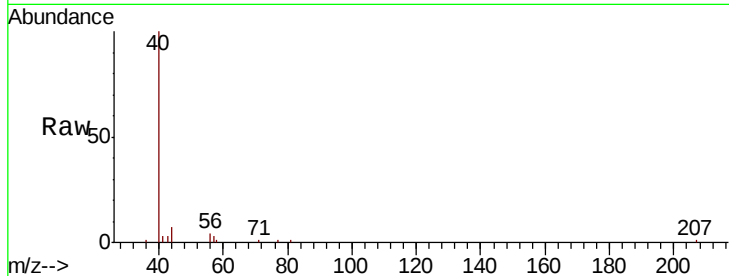




#59
2-Hexanone
Concen: 1.601 ug/l
RT: 9.53 min Scan# 902
Delta R.T. 0.03 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

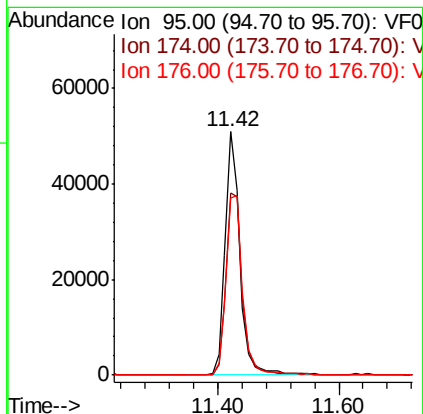
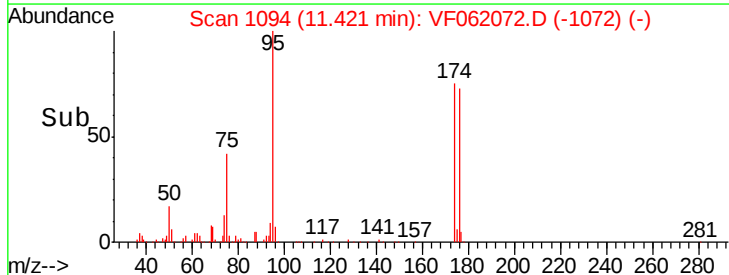
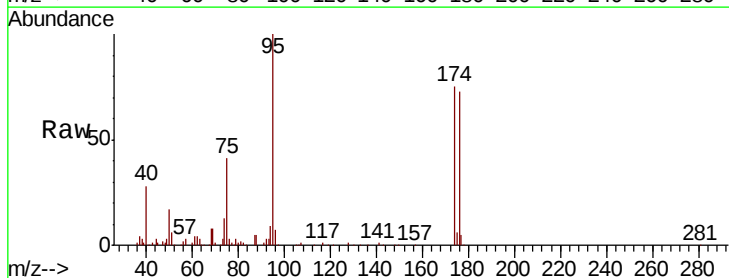
Instrument :
MSVOA_F
ClientSampleId :
SB-22(12-13)RE

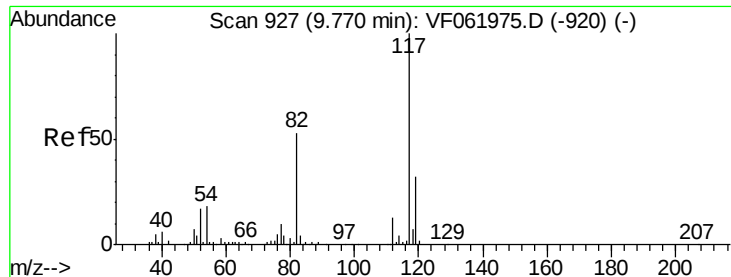
Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
58 32.2 28.4 85.2



#62
4-Bromofluorobenzene
Concen: 33.573 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

Tgt Ion: 95 Resp: 87046
Ion Ratio Lower Upper
95 100
174 74.9 0.0 149.4
176 72.6 0.0 143.4

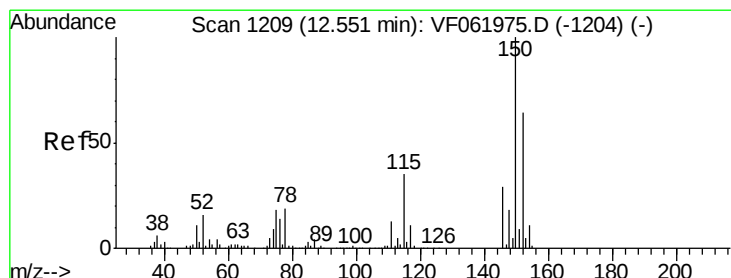
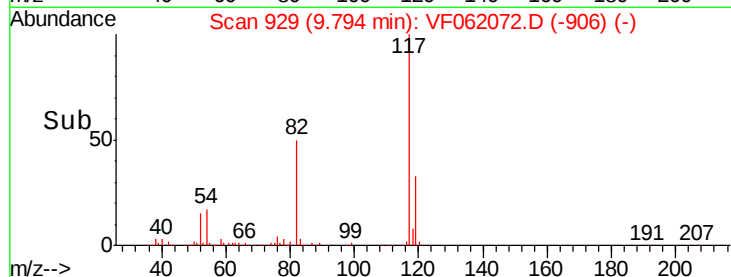
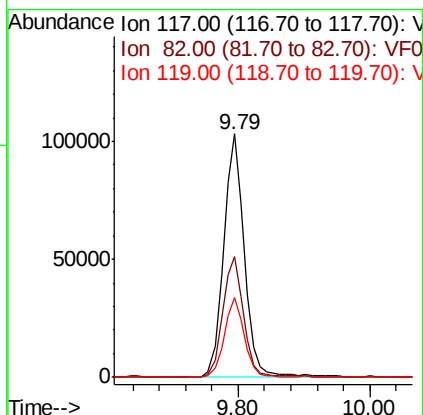
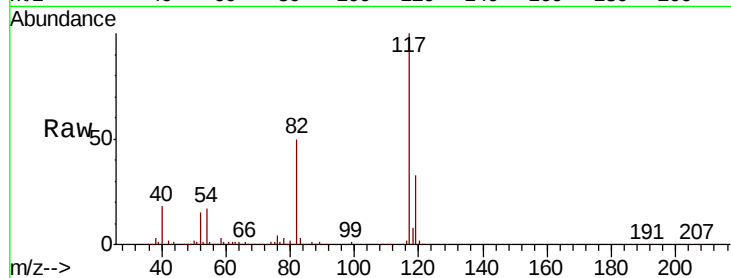




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.02 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

Instrument :
MSVOA_F
ClientSampleId :
SB-22(12-13)RE

Tgt Ion:117 Resp: 226802
Ion Ratio Lower Upper
117 100
82 49.6 42.5 63.7
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1210
Delta R.T. 0.01 min
Lab File: VF062072.D
Acq: 21 Mar 2019 20:45

Tgt Ion:152 Resp: 73891
Ion Ratio Lower Upper
152 100
115 51.5 27.3 81.9
150 149.8 0.0 316.2

